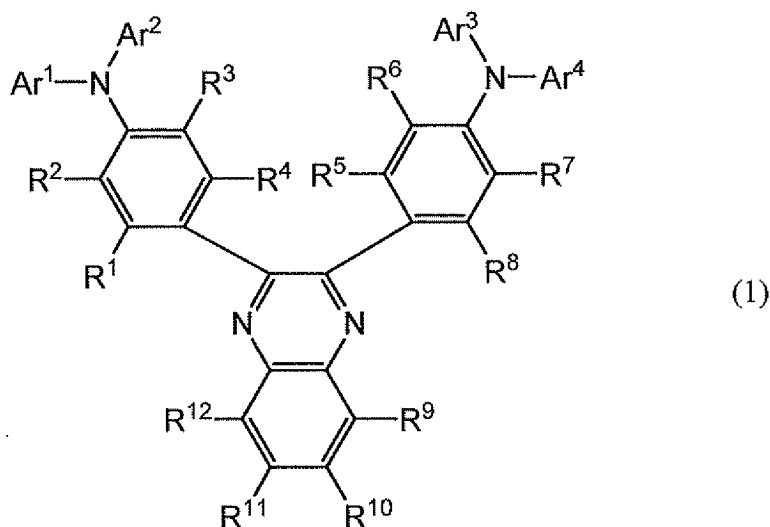


## IN THE CLAIMS:

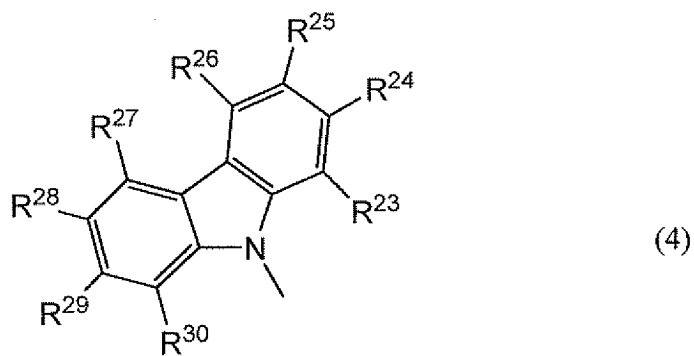
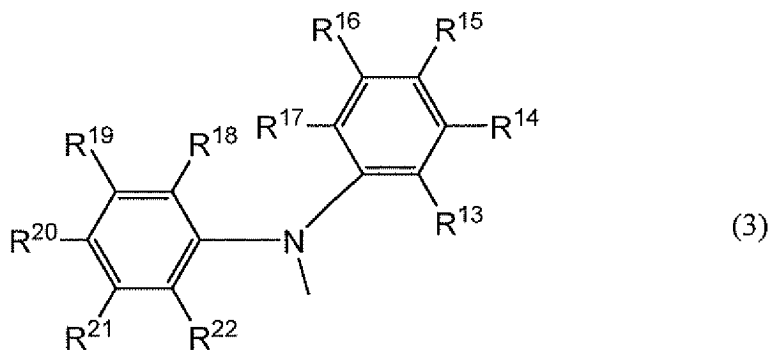
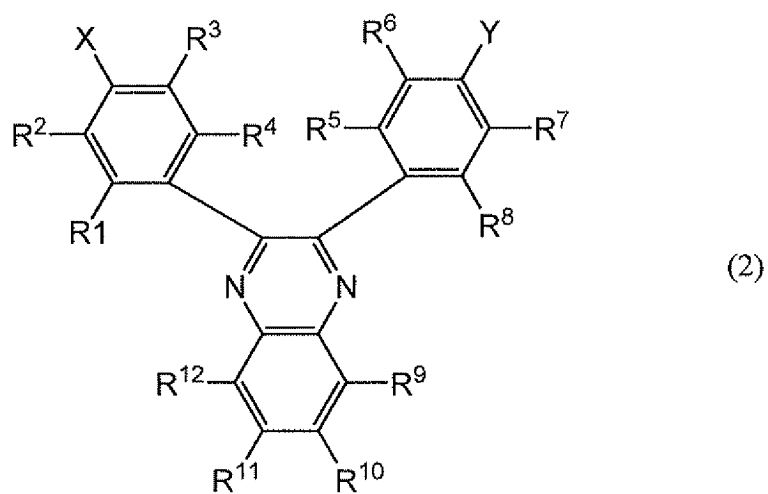
The following listing of claims will replace all prior versions, and listings, of claims in the application:

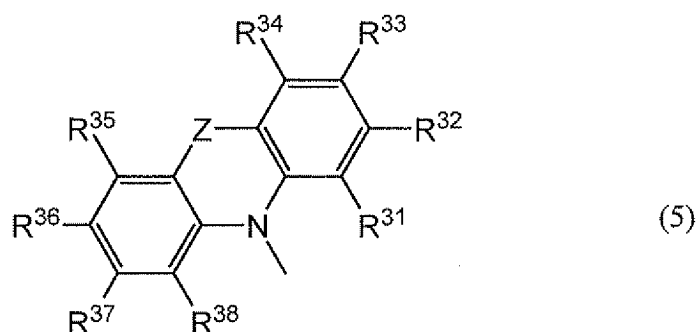
1. (Previously presented) A quinoxaline derivative represented by a formula (1):



wherein in the formula,  $R^1 - R^{12}$  each independently represents a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue group;  $R^9$  and  $R^{10}$ ,  $R^{10}$  and  $R^{11}$ , and  $R^{11}$  and  $R^{12}$  are each independent or mutually bonded to form an aromatic ring;  $Ar^1 - Ar^4$  each independently represents an aryl group or a heterocyclic residue group;  $Ar^1$ ,  $Ar^2$ ,  $Ar^3$  and  $Ar^4$  are each independent or  $Ar^1$  and  $Ar^2$ , and  $Ar^3$  and  $Ar^4$  are respectively mutually bonded directly, or  $Ar^1$  and  $Ar^2$ , and  $Ar^3$  and  $Ar^4$  are bonded via oxygen (O), sulfur (S) or a carbonyl group, and at least one of  $R^1 - R^4$  are different from the others of  $R^1 - R^4$ .

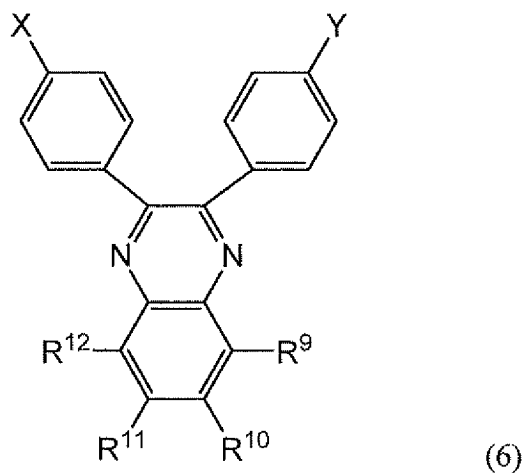
2. (Previously presented) A quinoxaline derivative represented by a formula (2):

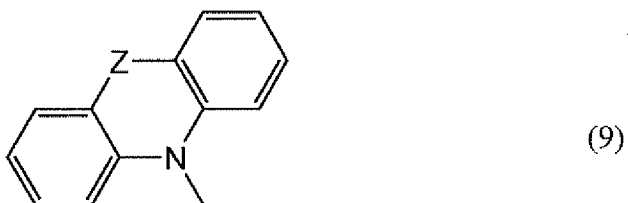
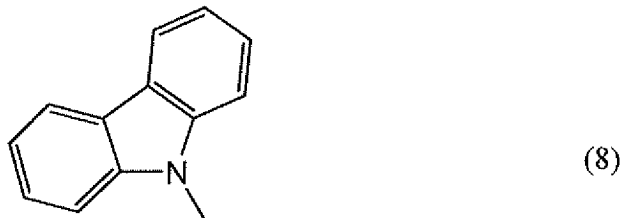
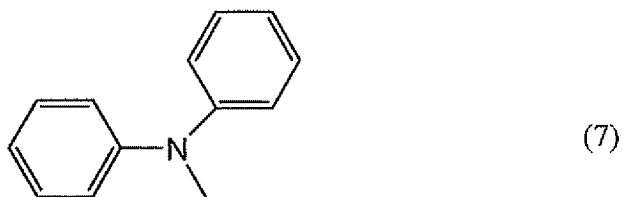




wherein in the formula, X and Y each independently represents any of formulas (3) - (5);  
 $R^1 - R^{38}$  independently represents a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue group;  $R^9$  and  $R^{10}$ ,  $R^{10}$  and  $R^{11}$ , and  $R^{11}$  and  $R^{12}$  are each independent or are mutually bonded to form an aromatic ring; Z represents oxygen (O), sulfur (S) or a carbonyl group.

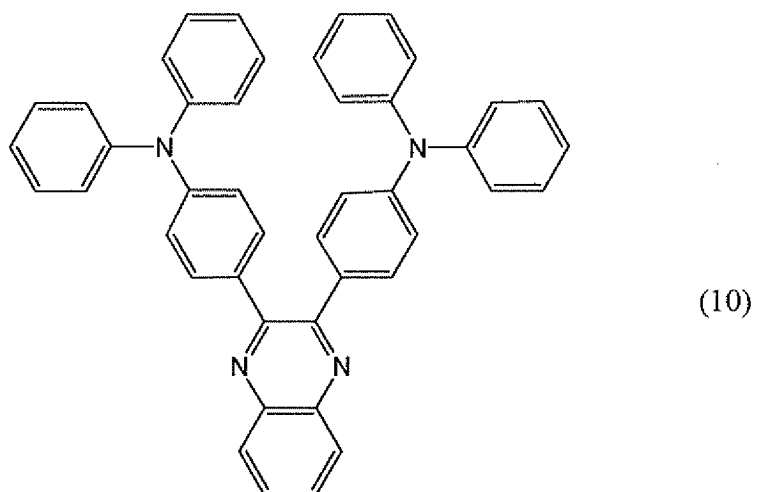
3. (Currently Amended) A quinoxaline derivative represented by a formula (6):



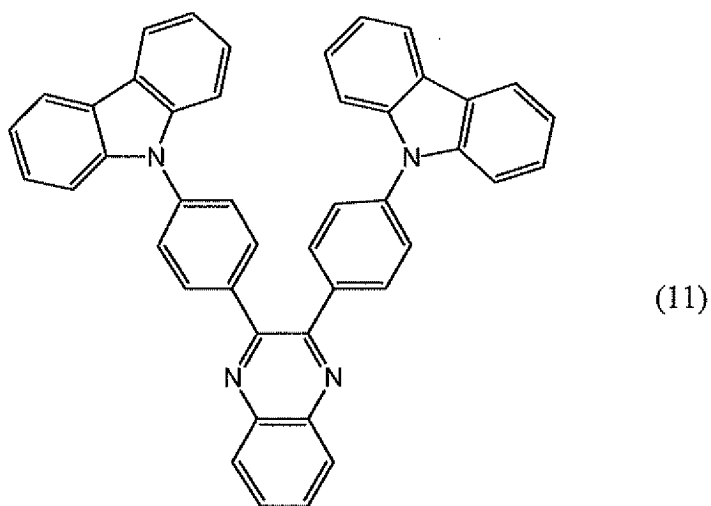


wherein in the formula, X and Y each is represented by either one of formulas (7)–(8) (7)-(9); in the formula,  $R^9 - R^{12}$  independently represents a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue group;  $R^9$  and  $R^{10}$ ,  $R^{10}$  and  $R^{11}$ , and  $R^{11}$  and  $R^{12}$  are each independent or mutually bonded to form an aromatic ring; Z represents oxygen (O), sulfur (S) or a carbonyl group.

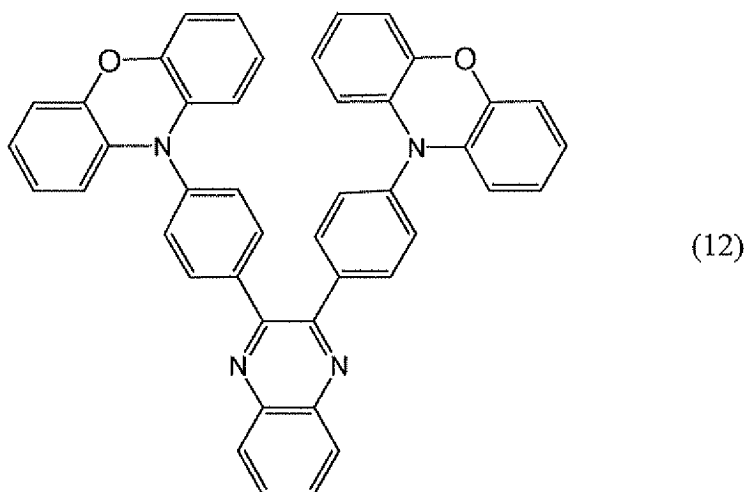
4. (Previously presented) A quinoxaline derivative represented by a structural formula (10):



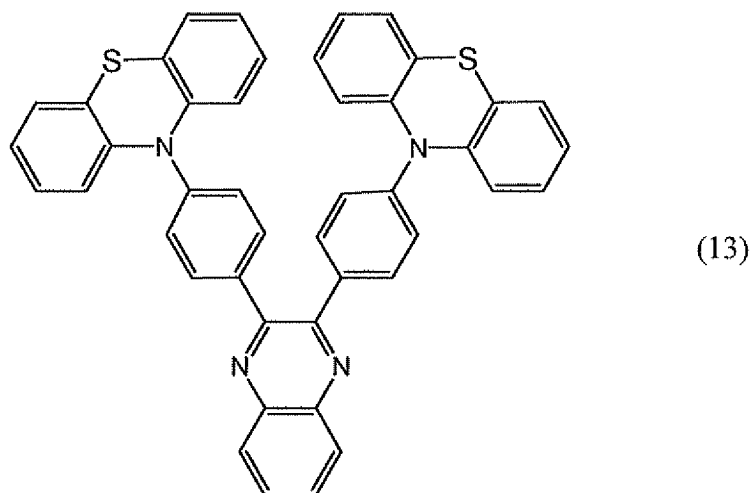
5. (Withdrawn) A quinoxaline derivative represented by a structural formula (11).



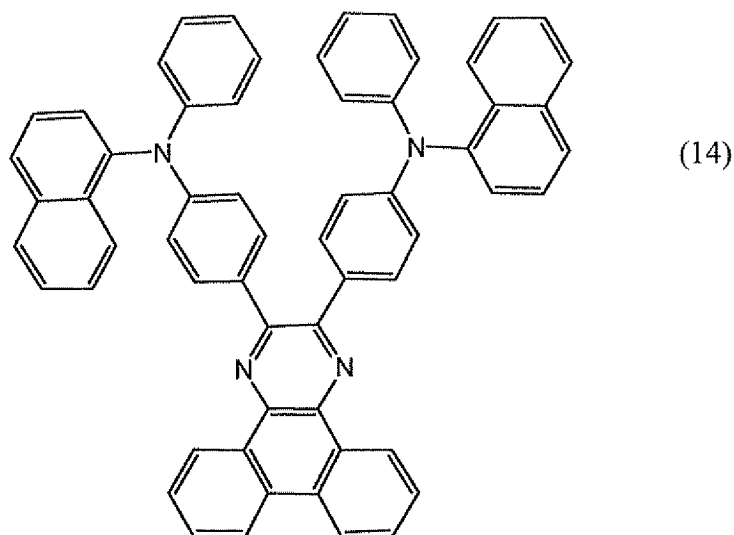
6. (Withdrawn) A quinoxaline derivative represented by a structural formula (12).



7. (Withdrawn) A quinoxaline derivative represented by a structural formula (13).



8. (Withdrawn) A quinoxaline derivative represented by a structural formula (14).



9. (Previously presented) An electric field light emitting device further comprising said quinoxaline derivative according to claims 1, 2, 3 and 4, between a pair of electrodes.

10. (Previously presented) An electric field light emitting device comprising a light emitting layer containing said quinoxaline derivative according to claims 1, 2, 3 and 4 and a phosphorescent material showing a light emission from a triplet excited state, between a pair of electrodes.

11. (Previously Presented) An electric field light emitting device according to claim 10, wherein a light emission spectrum of said phosphorescent material has a peak from 560 to 700 nm.

12. (Previously presented) A host material comprising said quinoxaline derivative

according to claims 1, 2, 3 and 4.

13. (Previously presented) An organic semiconductor device, wherein said quinoxaline derivative according to claims 1, 2, 3 and 4 is included in an active layer.

14. (Previously Presented) An electronic device employing said electric field light emitting device according to claim 10.

15. (Previously Presented) An electronic device according to claim 14, wherein the electronic device is any one of a personal computer, a portable telephone and a television receiver.

16. (Previously Presented) An electronic device further employing said organic semiconductor device according to claim 13.

17. (Previously Presented) An electronic device according to claim 16, wherein said electronic device is any one of a personal computer, a portable telephone and a television receiver.